

Report on AICTE ATAL Faculty Development Program (FDP) on “ Generative Artificial Intelligence: Tools and Techniques”

Birla Institute of Technology, Mesra, Off Campus Jaipur

Duration: 25th November 2024 to 30th November 2024

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The Faculty Development Program (FDP) on Generative Artificial Intelligence (AI) brought together experts and participants to explore cutting-edge AI tools and techniques. This six-day program, held from 25th to 30th November 2024, featured an engaging mix of lectures, research discussions, hands-on training, and an industrial visit, designed to provide both theoretical knowledge and practical exposure.

Program Highlights

The FDP opened with an inauguration session, followed by expert-led lectures on topics such as **Introduction to Generative AI, Deep Learning Fundamentals, Generative Adversarial Networks (GANs), and Language Models in Natural Language Processing**. Esteemed speakers like Dr. Aditi Saran from Jawaharlal Nehru University, Dr. Dinesh Goyal from Poornima University, and Dr. Namita Mittal from MNIT, Jaipur, shared their knowledge, backed by decades of academic and research experience.

An **industrial visit to the MNIT Innovation and Incubation Centre** offered participants a glimpse into real-world applications of AI in research and development. Daily hands-on training sessions complemented theoretical discussions, enabling attendees to apply their learning effectively.

In addition to technical sessions, the program included research paper discussions on topics such as **cancer hallmark classification using AI, feature fusion for heart failure analysis, and cross-lingual information retrieval**. These sessions facilitated collaborative learning and provided insights into AI's diverse applications.

The FDP concluded with a valedictory session, celebrating the participants' successful completion of the program.

Conclusion

This comprehensive FDP provided a unique opportunity to delve into generative AI's potential, fostering learning and collaboration among academia and industry. Participants left equipped with new skills and insights to contribute meaningfully to the evolving field of artificial intelligence.

